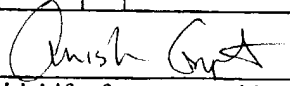


PTO 1449				Page 1 of 4			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3504.283B		Serial No. To be Provided	
Title: Solid Phase Native Chemical Ligation of Unprotected or N-Terminal Cysteine Protected Peptides in Aqueous Solution				Applicant: Canne, Lynne, <i>et al.</i>			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
as	AL1	WO 96/34878	11/7/96	PCT	C07K	1/02	NO
as	AM1	WO 98/28434	7/2/98	PCT	C12P	21/00	NO
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
as	AR1	Aimoto, "Synthesis of Phosphorylated Calmodulin-binding Site of Ca ²⁺ /Calmodulin-dependent Protein Kinase IICAMII by a Thioester Method," <i>Chemical Abstracts</i> , Vol. 125, No. 1, Abstract No. 11415, (1996).					
	AS1	Akaji, <i>et al.</i> , "Studies On Peptides. CXXVII. Synthesis Of A Tripentacontapeptide With Epidermal Growth Factor Activity," <i>Chem. Pharma. Bull.</i> (Tokyo) 33:184-102 (1985).					
	AT1	Atherton, <i>et al.</i> , "Solid Phase Fragment Condensation - The Problems," <i>In Innovation and Perspective In Solid Phase Synthesis</i> , R. Epton, <i>et al.</i> Eds., pages 11-25 (1990).					
	AR2	Ball, <i>et al.</i> , "Affinity Purification Of 101 Residue Rat Cpn 10 Using A Reversible Biotinylated Probe," <i>J. Pept. Sci.</i> , 1:288-294 (1995).					
as	AS2	Blake, "Total Synthesis Of S-Carbamoylmethyl Bovine Apocytochrome C By Segment Coupling," <i>Int. J. Pept. Potein Res.</i> , 27:191-200 (1986).					
Examiner: <i>[Signature]</i>				Date Considered 5/24/99			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

11/15/01
 09/987655
 10997 U.S. PRO

PTO 1449				Page 2 of 4			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3504.283B		Serial No. To be Provided	
Title: Solid Phase Native Chemical Ligation of Unprotected or N-Terminal Cysteine Protected Peptides in Aqueous Solution				Applicant: Canne, Lynne, <i>et al.</i>			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
Cys	AT2	Canne, <i>et al.</i> , "Synthesis Of Versatile Purification Handle For Use With Boc Chemistry Solid Phase Peptide Synthesis," <i>Tetrahedron Letters</i> , 38(19):3361-3364 (1997).					
	AR3	Canne, "Extending the Applicability of Native Chemical Ligation," <i>J. Am. Che. Soc.</i> , Vol. 118:5891-5896 (1996).					
	AS3	Canne, "A General Method For The Synthesis Of Thioester Resin Linkers For Use In The Solid Phase Synthesis Of Peptide- α -Thioacids," <i>Tetrahedron Letters</i> , 36(8):1217-1220 (1995).					
	AT3	Cheng, <i>et al.</i> , "Chemical Synthesis Of Human β -Endorphin(1-27) Analogs By Peptide Segment Coupling," <i>Int. J. Pept. Prot. Res.</i> , 38:70-78 (1991).					
Cys	AR4	Dawson, <i>et al.</i> , "Synthesis Of Proteins By Native Chemical Ligation," <i>Science</i> , 266:766-799 (1994).					
Examiner: <i>Chush Gupta</i>				Date Considered 5/24/94			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 3 of 4			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3504.283B		Serial No. To be Provided	
Title: Solid Phase Native Chemical Ligation of Unprotected or N-Terminal Cysteine Protected Peptides in Aqueous Solution				Applicant: Canne, Lynne, <i>et al.</i>			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
AS	AS4	Funakoshi, <i>et al.</i> , "Chemoselective One-Step Purification Method For Peptides Synthesized by the Solid Phase Technique," <i>Proc. Natl. Acad. Sci. USA</i> , 88:6981-6985 (1991).					
	AT4	Funakoshi, <i>et al.</i> , "Affinity Purification Method Using Reversible Biotinylating Reagent For Peptides Synthesized By The Solid-Phase Technique," <i>J. Chromatog.</i> , 638:21-27 (1995).					
	AR5	Garcia-Echeverria, <i>et al.</i> , "One The Use of Hydrophobic Probes In The Chromatographic Purification Of Solid-Phase-Synthesized Peptides," <i>J. Chem. Soc. Chem. Commun.</i> , 779-780 (1995).					
	AS5	Hojo, "Development of a Linker With an Enhanced Stability for the Preparation of Peptide Thioesters and Its Application to the Synthesis of a Stable-Isotope-Labelled HU-Type DNA-Binding Protein," <i>Bull. Chem. Soc. Japan</i> , 66(9):2700-2706 (1993).					
	AT5	Hojo, <i>et al.</i> , "Protein Synthesis Using S-Alkyl Thioester Of Partially Protected Peptide Segments, Synthesis of DNA-Binding Domain Of c-Myb Protein (142-193)-NH ₂ ," <i>Bull. Chem. Soc. Japan</i> , 65:3055-3063 (1992).					
AS	AR6	Hojo, <i>et al.</i> , "Polypeptide Synthesis Using the S-Alkyl Thioester of a Partially Protected Segment: Synthesis of the DNA-Binding Domain of c-Myb Protein (142-193)-NH ₂ ," <i>Bull. Chem. Soc. Japan</i> , 64:111-117 (1991).					
Examiner: <i>Amek Gunt</i>				Date Considered: 5/24/04			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 4 of 4			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3504.283B		Serial No. To be Provided	
Title: Solid Phase Native Chemical Ligation of Unprotected or N-Terminal Cysteine Protected Peptides in Aqueous Solution				Applicant: Canne, Lynne, et al.			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
OS	AS6	Janssen, "Thiolo, Thiono, and Dithio Acids and Ester," Chapter 15, <i>The Chemistry of Carboxylic Acids and Esters</i> (1969).					
	AT6	Liu, et al., "Peptide Segment Ligation Strategy Without Use Of Protecting Groups," <i>Proc. Natl. Acad. Sci. USA</i> , 91:6584-6588 (1994).					
	AR7	Muramatsu, et al., "Localization of Heparin-Binding, Neurite Outgrowth and Antigenic Regions In Midkine Molecule," <i>Biochem. And Biophys. Res. Comm.</i> , 203(2):1131-1139 (1994).					
	AS7	Rose, et al., "Facile Synthesis Of Homogeneous Artificial Proteins," <i>J. Am. Chem. Soc.</i> , 116:30-34 (1994).					
	AT7	Schnolzer, et al., "Constructing Proteins By Dovetailing Unprotected Synthetic Peptides: Backbone-Engineered HIV Protease," <i>Science</i> , 256:221-225 (1992).					
OO	AR8	Tam, et al., "Peptide Synthesis Using Unprotected Peptides Through Orthogonal Coupling Methods," <i>Proc. Natl. Acad. Sci. USA</i> , 92:12485-12489 (1995).					
Examiner: 				Date Considered 5/24/04			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							